

AMENDMENT UNDER 37 C.F.R. § 1.111
Application No. 10/009,896

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): Polyester irregular cross-sectional filaments, comprising individual filaments each comprising a polyester and having a transverse cross-sectional profile which has:

- (A) a triangular part having a triangular form; and
- (B) a flat projection part connected to an angular portion of the triangular part and extending therefrom in a flat form,

and which cross-sectional profile of each individual filament satisfies the requirements (1) and (2) shown below:

$$0.7 \leq (L1/L2) \leq 3.0 \quad (1)$$

and

$$3.0 \leq (h2/h1) \leq 10.0 \quad (2)$$

in which requirement (1),

L1 represents a distance between a middle point of a connection line drawn between two intersecting points of a contour line of the triangular part (A) with contour line of the flat projection part (B), and a projection end point of the flat projection part (B); and L2 represents a distance between a middle point of the connection line between the triangular part (A) and the flat projection part (B), and a middle point of an side line of the triangular part (A) facing the connection line; and

in which requirement (2),

h1 represents a length of the connection line between the triangular part (A) and the flat projection part (B); and h2 represents a largest width of the triangular part (A) in the direction at right angles to the longitudinal direction of the flat projection part (B).

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2. (original): The polyester irregular cross-sectional filaments as claimed in claim 1, wherein the cross-sectional profile of the individual filaments further satisfies the requirement (3) shown below:

$2.0 \leq (L1/h1)$ (3)

3. (currently amended): The polyester irregular cross-sectional filaments as claimed in claim 1 ~~or 2~~, wherein the triangular part (A) has a hollow portion extending in the longitudinal direction of the filament.

4. (currently amended): The polyester irregular cross-sectional filaments as claimed in ~~any of claims~~ claim 1 ~~to~~ 3, wherein the polyester from which the filaments are formed is blended with an organic sulfonate metal salt represented by the general formula (I):

$R SO_3 Mn$ (I)

in which formula (I), R represents a member selected from alkyl group having 3 to 30 carbon atoms, and aryl and alkylaryl groups having 7 to 40 carbon atoms; M represents a member selected from alkali metal atoms and alkaline earth metal atoms, and n represents an integer of 1 when M represents a monovalent metal atom or a number of 1/2 when M represents a divalent metal atom.

5. (currently amended): The polyester irregular cross-sectional filaments as claimed in ~~any of claims~~ claim 1 ~~to~~ 4, wherein each individual filament has large thickness portions and small thickness portion alternately formed in the longitudinal direction of the filament.

6. (currently amended): The polyester filament yarn comprising the polyester irregular cross-sectional filaments as claimed in claim ~~any of claims~~ 1 ~~to~~ 5.

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7. (original): The polyester filament yarn as claimed in claim 6, wherein each polyester irregular cross-sectional filaments has large thickness portions and small thickness portions formed alternately in the longitudinal direction of the filament, and in the polyester filament yarn containing the thick and thin-type filaments, the high thickness portions are distributed at a rate of 20/m or more in the longitudinal direction of the yarn.

8. (currently amended): A combined polyester filament yarn comprising a filament component having a lowest shrinkage in boiling water and consisting of the polyester irregular cross-sectional filaments as claimed in ~~any of claims~~ claim 1 to 5, and a filament component having a high shrinkage in boiling water and consisting of at least one type of polyester filaments having a higher shrinkage in boiling water than that of the polyester irregular cross-sectional filaments.

9. (currently amended): The combined polyester filament yarn as claimed in claim 8, wherein a difference in shrinkage in boiling water between the polyester irregular cross-sectional filaments for the filament component having the lowest shrinkage in boiling water, and the polyester filaments contained in the filament component having a high shrinkage in boiling water and having a highest shrinkage in boiling water, is 4 to 10%.

10. (currently amended): The combined polyester filament yarn as claimed in claim 7 or 8, wherein the polyester contained in the polyester filaments having a highest shrinkage in boiling water is a polyethylene terephthalate isophthalate and the content of isophthalic acid in the dicarboxylic acid component of the polyester is 5 to 15 molar%.

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11. (currently amended): The combined polyester filament yarn as claimed in ~~any of claims~~ claim 8 ~~to 10~~, wherein the polyester filaments having a highest shrinkage in boiling water are thick and thin type filaments having high thickness portions and low thickness portions alternately distributed in the longitudinal direction of the filaments and, in the combined polyester filament yarn containing the thick and thin type filaments mentioned above, the high thickness portions are distributed at a rate of 20/m or more in the longitudinal direction of the yarn.

12. (currently amended): A polyester filament fabric comprising at least one type of yarn selected from the polyester filament yarn as claimed in claim 6 or 7 and the combined polyester filament yarn as claimed in any one of claims ~~claim 8 7 to 11~~, and having a silk-like hand.

13. (original): The polyester filament fabric as claimed in claim 12, wherein the fabric is a woven fabric, the yarn is a twisted yarn having a twist multiplier of 2,500 or more, and the twisted yarns are contained as warp yarns in the woven fabric.

14. (new): The polyester irregular cross-sectional filaments as claimed in claim 3, wherein the polyester from which the filaments are formed is blended with an organic sulfonate metal salt represented by the general formula (I):



in which formula (I), R represents a member selected from alkyl group having 3 to 30 carbon atoms, and aryl and alkylaryl groups having 7 to 40 carbon atoms; M represents a member selected from alkali metal atoms and alkaline earth metal atoms, and n represents an integer of 1 when M represents a monovalent metal atom or a number of 1/2 when M represents a divalent metal atom.

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15. (new): A polyester filament fabric comprising at least one type of yarn selected from the polyester filament yarn as claimed in claim 6 or 7 and the combined polyester filament yarn as claimed in claim 9, and having a silk-like hand.

16. (new): A polyester filament fabric comprising at least one type of yarn selected from the polyester filament yarn as claimed in claim 6 or 7 and the combined polyester filament yarn as claimed in claim 10, and having a silk-like hand.

17. (new): A polyester filament fabric comprising at least one type of yarn selected from the polyester filament yarn as claimed in claim 6 or 7 and the combined polyester filament yarn as claimed in claim 11, and having a silk-like hand.

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AMENDMENTS TO THE DRAWINGS

In Fig. 4, reference number 5a is added

Attachment: Annotated Marked-Up Drawing(s)
Replacement Sheet(s)